EXPERIMENT 3

23BIS70085 FullStack

**Title**

Admin Dashboard with CSS Grid Layout and Theme Switching

**Objective**

Design and build a professional, responsive admin dashboard interface using HTML, CSS Grid layout, and a theme switching feature (light and dark modes). This task focuses on advanced layout skills and the application of design adaptability through theming.

**Task Description**

Create a web-based admin dashboard page that includes the following sections:

* Header: Contains the dashboard title and a theme switch (light/dark).
* Sidebar: Includes navigation links such as Home, Users, and Settings.
* Main Content Area: Placeholder for data visualization, reports, or welcome messages.
* Footer: Displays footer text or copyright.

The page should:

* Use CSS Grid to arrange and align these sections into a clean, professional layout.
* Implement theme switching functionality so that the entire dashboard can switch between light mode and dark mode.
* The switch should update background colors, text colors, and other style elements clearly, without requiring page reload.

CODE

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1.0"/>

<title>Admin Dashboard</title>

<link rel="stylesheet" href="style.css" />

</head>

<body>

<header>

<h1>Admin Dashboard</h1>

<button class="theme-switch" onclick="toggleTheme()">Switch Theme</button>

</header>

<aside>

<nav>

<a href="#">Home</a>

<a href="#">Users</a>

<a href="#">Settings</a>

</nav>

</aside>

<main>

<h2>Welcome to the Dashboard</h2>

<p>This is a placeholder for reports, charts, or data visualizations.</p>

</main>

<footer>

<p>&copy; 2025 Admin Panel. All rights reserved.</p>

</footer>

<script src="script.js"></script>

</body>

</html>

STYLE.CSS

:root {

--bg-color: #ffffff;

--text-color: #000000;

--primary-color: #6200ea;

--header-footer-bg: #f1f1f1;

--sidebar-bg: #e0e0e0;

}

[data-theme="dark"] {

--bg-color: #121212;

--text-color: #ffffff;

--primary-color: #bb86fc;

--header-footer-bg: #1e1e1e;

--sidebar-bg: #2c2c2c;

}

\* {

margin: 0;

padding: 0;

box-sizing: border-box;

font-family: Arial, sans-serif;

}

body {

background-color: var(--bg-color);

color: var(--text-color);

display: grid;

grid-template-areas:

"header header"

"sidebar main"

"footer footer";

grid-template-columns: 200px 1fr;

grid-template-rows: 60px 1fr 40px;

height: 100vh;

}

header {

grid-area: header;

background: var(--header-footer-bg);

display: flex;

align-items: center;

justify-content: space-between;

padding: 0 20px;

}

.theme-switch {

cursor: pointer;

background: var(--primary-color);

border: none;

color: #fff;

padding: 8px 12px;

border-radius: 5px;

}

aside {

grid-area: sidebar;

background: var(--sidebar-bg);

padding: 20px;

}

aside nav a {

display: block;

margin-bottom: 10px;

text-decoration: none;

color: var(--text-color);

font-weight: bold;

}

main {

grid-area: main;

padding: 20px;

}

footer {

grid-area: footer;

background: var(--header-footer-bg);

display: flex;

align-items: center;

justify-content: center;

}

SCRIPT.JS

function toggleTheme() {

const currentTheme = document.documentElement.getAttribute("data-theme");

if (currentTheme === "dark") {

document.documentElement.removeAttribute("data-theme");

} else {

document.documentElement.setAttribute("data-theme", "dark");

}

}

OUTPUT

